

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0002	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Sutter Maintenance Yard East Levee Sutter Bypass	M *	21.67						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments						0.01		
Animal Control	0.01		0.01	0.05%				
Erosion / Bank Caving		0.01	0.04	0.18%				
<i>Supplemental</i>								
USACE Erosion Survey	0.07		0.07	0.32%				
DWR UCIP Field Study					0.13			
<i>LMA Totals:</i>	0.08	0.01	0.12	0.55% *	0.13	0.01	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Sutter Maintenance Yard East Levee Sutter Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway			Bank	Unit Miles
Unit No. 01 Sutter Bypass Levee			Left	21.67
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	03/10/2014 - 03/10/2014		11/13/2014 - 11/13/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Steve Beckley Sutter Maintenance Yard		Steve Beckley Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_ST0002_01_s _ 2013_4				
Action/Comments					
Inspector Comments: The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_ST0002_01_s _ 2013_5				
Action/Comments					
Inspector Comments: The LMA has flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_ST0002_01_s _ 2013_6				
Action/Comments					
Inspector Comments: The LMA has completed flood flight training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	0.33	Rating **	M	Issue No.	8
LM End	0.33	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147463 °	39.147463 °
				-121.828716 °	-121.828716 °
DWR ID	DWR_ST0002_01_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:35951 EP_NO: 4795 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Unable to locate any indicator of crossing. More research may be necessary 5/22/2013 Same as last inspection. Unable to locate 10/30/2103 Same as last inspection 5/13/2014 Same as last inspection. FIELD_STRUCT_DESC: 3-inch gas line along the landward toe. (extension of App. No. 4795 - PG&E). FS Date: 5/15/2014 8:26:41 AM					

No Photos

LM Start	1.13	Rating **	M	Issue No.	9
LM End	1.13	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.140868 °	39.140868 °
				-121.816644 °	-121.816644 °
DWR ID	DWR_ST0002_01_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:35965 EP_NO: 10932 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pier has no walkway to access pump on pier. This is not necessarily an issue. 6/22/2013 24in. cmp riser on WS shoulder is full of garbage and dirt and should be cleaned out to inspect siphon breaker. 10/30/2013 24in. cmp riser was pulled out of levee and there is no sign of a siphon breaker on WS shoulder. 5/13/2014 Same as last inspection. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 6.3 feet below the crown. Vertical pump mounted on a steel structure on the bank. Siphon breaker in a 24-inch corrugated metal pipe riser on the waterward slope. Concrete distribution box on the landward side. JP on WS shoulder. Original Equipment in O+M. Replaced under (App. 10932-Nall) Hand drawings available in permit. FS Date: 5/15/2014 9:51:16 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	1.60	Rating **	U	Issue No.	22
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.137025 °	39.137025 °
				-121.809713 °	-121.809713 °
DWR ID	DWR_ST0002_01_f_2014_22				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: The beaver hole needs to be repaired.					

Photo 1 of 1 : FA_2014_ST0002_450_22_20141113_00003.jpg



View of the beaver hole at the toe of the levee.

LM Start	1.91	Rating **	C	Issue No.	489
LM End	1.91	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.134447 °	39.134447 °
				-121.805071 °	-121.805071 °
DWR ID	DWR_ST0002_01_s_2014_489				
Action/Comments					
Tree or limb					

No Photos

LM Start	3.60	Rating **	C	Issue No.	7
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.120422 °	39.120422 °
				-121.779907 °	-121.779907 °
DWR ID	DWR_ST0002_01_f_2012_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	6.22	Rating **	A	Issue No.	23
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.090835 °	39.090835 °
				-121.752755 °	-121.752755 °
DWR ID	DWR_ST0002_01_f_2014_23				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_ST0002_450_23_20141113_00009.jpg



View of no vegetation on both slopes.

LM Start	10.44	Rating **	M	Issue No.	11
LM End	10.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033517 °	39.033517 °
				-121.728925 °	-121.728925 °
DWR ID	DWR_ST0002_01_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:36034					
EP_NO: 14455					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 5/22/2013 Carsonite marker on WS shoulder is broken and should be replaced 10/30/2013 Same as last inspection 5/13/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 3 of 3. 4.5-inch Natural gas pipelines through the levee installed 2 feet below the crown. Pipes were paced in same trench 1-foot apart. Gasline markers on LS toe and WS shoulder.					
Design drawings available in the permit.					
FS Date: 5/15/2014 12:15:36 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	10.44	Rating **	M	Issue No.	12
LM End	10.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033522 °	39.033522 °
				-121.728927 °	-121.728927 °
DWR ID	DWR_ST0002_01_f _ 2014_12				
Action/Comments					
Inspector Comments: FS_ID:36031					
EP_NO: 14455					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 5/22/2013 Carsonite marker on WS shoudler is broken and should be replaced0/30/2013 Same as last inspection5/13/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 3. 4.5-inch Natural gas pipelines through the levee installed 2 feet below the crown. Pipes were paced in same trench 1-foot apart. Gasline markers on LS toe and WS shoulder.					
Design drawings available in the permit.					
FS Date: 5/15/2014 12:12:50 PM					

No Photos

LM Start	10.44	Rating **	M	Issue No.	13
LM End	10.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033519 °	39.033519 °
				-121.728926 °	-121.728926 °
DWR ID	DWR_ST0002_01_f _ 2014_13				
Action/Comments					
Inspector Comments: FS_ID:36032					
EP_NO: 14455					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 5/22/2013 Carsonite marker on WS shoulder is broken and should be replaced0/30/2013 Same as last inspection5/13/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 3. 4.5-inch Natural gas pipelines through the levee installed 2 feet below the crown. Pipes were paced in same trench 1-foot apart. Gasline markers on LS toe and WS shoulder.					
Design drawings available in the permit.					
FS Date: 5/15/2014 12:14:38 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	10.98	Rating **	M	Issue No.	1
LM End	11.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.024835 °	39.024399 °
				-121.726929 °	-121.726808 °
DWR ID	DWR_ST0002_01_f_2014_1				
Action/Comments					
Inspector Comments: 2011 - Small section of the mid levee slope has eroded from wind wave. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: SBP_11-1_L]					

No Photos

LM Start	11.00	Rating **	M	Issue No.	14
LM End	11.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.025693 °	39.025693 °
				-121.726895 °	-121.726895 °
DWR ID	DWR_ST0002_01_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:36041					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine type of abandonment5/22/2013					
Same as last inspection10/30/2013 Same as last					
inspection5/13/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 1 of 5. 4-foot by 6-foot concrete box culvert					
through the levee, 31.5 feet below the crown. Wood flap gate and					
concrete headwall on the waterward end. Wooden steps on the					
landward slope. Concrete steps on the waterward end. Originally					
included in the O+M Manual.					
FS Date: 5/15/2014 12:41:10 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	11.00	Rating **	M	Issue No.	15
LM End	11.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.025683 °	39.025683 °
				-121.726886 °	-121.726886 °
DWR ID	DWR_ST0002_01_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:36042					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Determine type of abandonment 5/22/2013 Same as last inspection 10/30/2013 Same as last inspection 5/13/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 5. 4-foot by 6-foot concrete box culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterward end. Wooden steps on the landward slope. Concrete steps on the waterward end. Originally included in the O+M Manual.					
FS Date: 5/15/2014 12:42:06 PM					

No Photos

LM Start	11.01	Rating **	M	Issue No.	16
LM End	11.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.025560 °	39.025560 °
				-121.726846 °	-121.726846 °
DWR ID	DWR_ST0002_01_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:36046					
EP_NO: 3165					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine type of abandonment 5/22/2013					
Same as last inspection 10/30/2013 Same as last					
inspection 5/13/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 10-inch drainage pipe through the levee, 2.0					
feet below the crown. Siphon breaker in a 36-inch CM pipe riser on the					
waterward shoulder. Flap gate on the waterward end. (App. 3165 -					
DWR). Minimalistic design drawings available.					
FS Date: 5/15/2014 12:45:24 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	13.13	Rating **	M	Issue No.	17
LM End	13.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.996304 °	38.996304 °
				-121.716290 °	-121.716290 °
DWR ID	DWR_ST0002_01_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:36051 EP_NO: 15571 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine status of pipeline. Unable to locate any markers in field 5/23/2013 Same as last inspection. Unable to locate 10/30/2013 Same as last inspection 5/14/2014 Same as last inspection. FIELD_STRUCT_DESC: 10.75-IN. STEEL GAS PIPELINE 2 feet below the levee crown. Permit #15571. Design drawings are available. FS Date: 5/15/2014 12:51:11 PM					

No Photos

LM Start	13.54	Rating **	M	Issue No.	18
LM End	13.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.991808 °	38.991808 °
				-121.711512 °	-121.711512 °
DWR ID	DWR_ST0002_01_f_2014_18				
Action/Comments					
Inspector Comments: FS_ID:36063					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Verify work (if any) was done to replace original					
equipment with inspectd5/23/2013 Same as last					
inspection10/30/2013 Same as last inspection5/14/2014 Same as					
last inspection.					
FIELD_STRUCT_DESC: 18-inch pipe through the levee, 5.5 feet below					
the crown. Pipe measures 16-inches at pump and on LS outlet.					
Siphon breaker in a 16-inch corrugated metal pipe riser on the landward					
slope. Pump on pile structure in the channel. Meter and pole on the					
bank. Originally included in O+M manual.					
FS Date: 5/15/2014 12:52:11 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	14.70	Rating **	M	Issue No.	19
LM End	14.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.981286 °	38.981286 °
				-121.694958 °	-121.694958 °
DWR ID	DWR_ST0002_01_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:36065 EP_NO: 1674 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed on WS toe at road and heavy oil usage that may be a problem at pump on pipe 5/23/2013 Same as last inspection 10/30/2013 Same as last inspection 5/14/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch steel pipe through the levee, 4.0 feet below the crown. Siphon breaker in an 18-inch PVC pipe riser on the landward shoulder. 24-inch concrete standpipe in field on the landward side. Vertical pump on a steel pile structure in the channel. (App. 1674 - Etchevery). Minimal design drawings available. FS Date: 5/15/2014 12:52:57 PM					

No Photos

LM Start	14.91	Rating **	M	Issue No.	20
LM End	14.91	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.979377 °	38.979377 °
				-121.691929 °	-121.691929 °
DWR ID	DWR_ST0002_01_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:36066					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe has not been abandoned properly. It should be removed from the levee section 5/23/2013 Same as last inspection 10/30/2013 Same as last inspection 5/14/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 3.5 feet below the crown. Siphon breakers in 30-inch steel risers on both WS and LS shoulders. Vertical pump on pile structure in stream (removed). FS Date: 5/15/2014 1:02:31 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	16.44	Rating **	M	Issue No.	24
LM End	16.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.965188 °	38.965188 °
				-121.670365 °	-121.670365 °
DWR ID	DWR_ST0002_01_f_2014_24				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_ST0002_450_24_20141113_00007.jpg



View of the rodent holes on the landside slope.

LM Start	19.46	Rating **	M	Issue No.	21
LM End	19.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.932423 °	38.932423 °
				-121.635085 °	-121.635085 °
DWR ID	DWR_ST0002_01_f_2014_21				
Action/Comments					
Inspector Comments: FS_ID:36092					
EP_NO: 3165					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine type of abandonment 5/23/2013					
Same as last inspection 10/30/2013 Same as last inspection 5/14/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 10-inch drainage pipe through the levee, 4.0 feet below the crown. Siphon breaker in 36-inch corrugated metal pipe riser on the waterward shoulder. Flap gate on the waterward end. (App. 3165 - DWR)					
FS Date: 5/15/2014 1:29:02 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.67	11/13/2014 11/13/2014	Bob Duffey

LM Start	20.64	Rating **	U	Issue No.	10
LM End	20.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.918147 °	38.918147 °
				-121.624545 °	-121.624545 °
DWR ID	DWR_ST0002_01_s_ 2012_10				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_ST0002_450_10_20141113_00008.jpg



View of the house next to the toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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